



USAID | **WEST BANK/GAZA**

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Task Order 00006 - Qabatiya Well, Pump Station and Conveyance System

Monthly Progress Report # 20

For the Month of January 2015

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Views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.



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List of Acronyms and Abbreviations

ANSI	American National Standards Institute
ASQ	American Society for Quality
AWWA	American Water Works Association
CMC	Construction Management Contractor
CQC	Contractor Quality Control
CSMP	Construction Safety and Health Management Plan
EPA	Environmental Protection Agency
EQA	Environmental Quality Authority
HSWA	Federal Hazardous and Solid Waste Amendments
HSE	Health Safety & Environmental
IADC	International Association of Drilling Contractors
ISEA	Industrial Safety Equipment Association
IQC	Indefinite Quantity Contract
ISO	International Organization for Standardization
MIC	Man in Charge
NCR	Non Conformance Report
NUC	Notice of Unsafe Conditions
OSHA	Occupational Safety and Health Administration
PA	Palestinian Authority
PWA	Palestinian Water Authority
PPE	Personal Protective Equipment
QCP	Quality Control Plan
QMS	Quality Management System
RCS	Radio Communication System
RFI	Request for Information
SCADA	Supervisory Control and Data Acquisition
TDY	Temporarily Deployed for a Year
USAID	United States Agency for International Development
WP	Work Plan
WBWD	West Bank Water Department
WEF	Water Environment Federation



1. DASHBOARD - INTRODUCTION AND SUMMARY

Monthly Report No.20 covers activities accomplished during the month of January 2015 and previews activities anticipated during the next month, February 2015.

1.1 Purpose and Background

The USAID West Bank and Gaza Infrastructure Needs Program II (INP II) is designed to support U.S. Government efforts with the peace process by improving Palestinian access to basic infrastructure and services throughout the West Bank, and if conditions and funding permit, in Gaza.

Infrastructure in the West Bank and Gaza suffers from years of neglect and lack of investment. The USAID Mission INP II focuses on the rehabilitation and construction of roads, schools, water, and wastewater projects. The USAID objective is to help the Palestinian economy by improving Palestinian access to basic infrastructure and services.

1.2 Objectives of Task Order 00006

The objective of this Task Order is to develop, rehabilitate and improve an existing well at Qabatiya and to install and equip that well with a new pump and appurtenant equipment. The Task Order also includes construction of a conveyance system that will connect the Qabatiya Well to Al-Zababdeh junction.

1.3 Work/Activity Status

The percent complete, Start and Finish information for each major component is shown on the following table.

Activity Name	Percent Complete	<u>Planned Start</u> Actual Start	<u>Planned Finish</u> Actual Finish
Preconstruction Coordination with PWA	100%	<u>14 May 2013</u> 14 May 2013	<u>18 June 2013</u> 18 June 2013
Mobilization	100%	<u>14 May 2013</u> 14 May 2013	<u>18 June 2013</u> 18 June 2013
Submittals	50%	<u>14 May 2013</u> 14 May 2013	<u>2 February 2016</u> TBD
Procurement and Delivery	6%	<u>26 August 2013</u> 26 August 2013	<u>12 January 2016</u> TBD
Construction Phase	19.10%	<u>12 July 2013</u> 12 July 2013	<u>3 February 2016</u> TBD
Post Construction Phase	0%	<u>21 January 2016</u> TBD	<u>3 February 2016</u> TBD

The above mentioned data based on the revised CPM Schedule that was submitted to CMC on February 2nd and reflecting the modification issued and signed on December 24, 2014.



1.4 Key Information

Contract Number:	AID-294-I-12-00001
Task Order Number:	AID-294-TO-13-00006
Notice To Proceed:	14 May 2013
Project Original Duration:	550 Days
Project Original Completion Date:	14 November 2014
BOQ Item Original Amount:	\$6,858,760.00
Day Work Original Amount:	\$850,000.00
Contract Value:	\$ 7,708,760.00
Project Modified Duration:	996 Days
Project Modified Completion Date:	03 February 2016
BOQ Item Modified Amount:	\$ 10,709,995.00
Day Work Modified Amount:	\$ 000

2. PROJECT ADMINISTRATION

This Task Order is one of several task orders through which the USAID West Bank and Gaza Infrastructure Needs Program II (INP II) that is designed to improve Palestinian access to basic infrastructure and services throughout the West Bank. Some activities detailed in this report share a common base with the overall project or other Task Orders.

2.1. Submission of Most Recent Monthly Report

This document is the twentieth in a series of Monthly Reports to be prepared by CDM Smith providing a summary of key project activities during consecutive monthly reporting periods.

2.2. Submission of Most Recent Invoices

The CDM Smith team submitted invoice No. 7. The following table is a summary of the current invoice status.

BOQ Price	\$10,709,995.00
Total Day Works	\$ 0.00
Amount Obligated	\$10,709,995.00
Variation Orders (from TDW)	\$0.00
Task Order Price (BOQ +VO)	\$10,709,995.00
Most Recent Invoice	\$ 118,835.85
Invoiced to Date	\$1,468,736.38



2.3. Staff Information

At the end of this reporting period, 31 January 2015, 16 team members are working on the overall project and other Task Orders in the West Bank. Following are some key Task Order and support staff for the project:

Anthony Mirabella	VP and IQC Manager
Amy O'Connell	Civil Engineer/Contract Specialist
Kevin P. Connors	Senior Project Manager
Ghassan Thaher	Task Order Manager - Key Personnel
Abdel Rahman Bakeer	Safety and Environmental – Key Personnel
Talal Mahasin	QA/QC Manager – Key Personnel
Abed Ahmad	Office Assistant/CMC Office Al-Zababdeh
Yazan Meqbel	Project Engineer
Tamadur Abu Alrub	Document Control Officer
Mousa Anbar	Finance and Administration Manager
Mohammad Bilbeisi	Finance Assistant Manager
Hiba Othman	Admin Assistant
Arab Masri	Scheduler and Controls Engineer
Anas Abu Sneineh	Security and Logistic Manager
Murad Abu Nasrah	Office Assistant
Ali Odeh	Project Engineer

The following specialty staff from CDM Smith is still supporting the project activities from CDM Smith home offices in USA and spent a significant time during the reporting period in the West Bank:

- Mr. Tony Mirabella who serves as IQC Manager for the overall project and is a Senior Vice President of CDM Smith. Mr. Mirabella communicates with the West Bank team on daily basis. Mr. Mirabella is following all work activities that take place at this project in communicating via emails and daily phone calls.
- Ms. Amy O'Connell Civil and Environmental Engineer of CDM Smith Mobilized to the West Bank to join CDM Smith team to support and expedite the engineering analysis and pricing the variation orders and redesigns received for the project. Ms. O'Connell continued coordinating with West Bank Staff. Ms. O'Connell returned to the West Bank from January 5, 2015 to January 9, 2015
- Mr. Kevin P. Connors who serves as a Senior Project Manager is communicating with West Bank Team to be updated for ongoing progress of Qabatiya Project. Moreover, Mr. Connors is directly involved in finalizing and evaluating all variation orders and redesigns received for the project. Mr. Kevin arrived to West Bank on January 5, 2015 and left on January 8, 2015.
- An agreement was signed between CDM Smith and a local electro-mechanical office to support the team in electrical activities.



3. ACCOMPLISHMENTS

Following is a summary of significant meetings, correspondence and submittals within this reporting period.

3.1. Accomplishments

Following are key accomplishments for the reporting period.

3.1.1. General, Overall and Project Wide

During this reporting period the construction of the remaining western retaining wall was completed. Moreover, all the mechanical valves and fittings for AAUJ & Azzababdeh flow monitoring chambers were installed except for the electromagnetic flow meters which are part of the last approved VO and expected to arrive from Germany early February 2015. The preparation works for the internal and external walls of the balance tank and the baffle walls are ongoing for both western and eastern compartments. Preparation works to start the water tightness at the western compartment of the balance tank are ongoing.

Along the conveyance system, the flushing of the installed 10" steel pipeline was successfully performed. Preparation works to start the pressure test of the conveyance system are ongoing.

Construction submittals continued during this reporting period. Some of the main construction submittals during this reporting period are; Monthly QC/QA and Safety Plans updates for December 2014; Monthly update for Environmental Monitoring and Mitigation Plan for December 2014; Updated Risk Management Plan for December 2014; Updated submittal registry up to December 31, 2014; Qabatiya well pump station –Site Layout; Concrete delivery tickets for the remaining part of the western retaining wall; Test report on concrete compressive strength for the wall of the remaining western retaining wall- (07-day result). Ref: M/1501/115; Living Quarter (Lighting, earthing, power and Security Systems); Structural Shop Drawing for Septic and seepage system; Living Quarter - Mechanical Shop Drawing; Structural Shop Drawing for Living Quarters; Method Statement for Construction of Septic & Seepage Tanks; Revised Construction Method Statement; Welding Visual Inspection Report for the conveyance system including all welding works inside constructed chambers and others included in the attached updated submittal log.

3.1.2. Submittals for Task Order 00006

A summary of significant submittals follows, however a table covering all submittals for the reporting period is included in the Appendix:

- Completion of the pre-construction submittals.
- Continue of the following construction submittals:
 - Structural Shop Drawing for Living Quarters;
 - Living Quarter - Mechanical Shop Drawing;
 - Structural Shop Drawing for Septic and seepage system;
 - Living Quarter (Lighting, earthing, power and Security Systems);
 - Monthly QC/QA and Safety Plans updates for December 2014;
 - Monthly update for Environmental Monitoring and Mitigation Plan for December 2014;
 - Updated Risk Management Plan for December 2014;
 - Updated submittal registry up to December 31, 2014;
 - Qabatiya well pump station –Site Layout;

- Concrete delivery tickets for the remaining part of the western retaining wall;
- Welding Visual Inspection Report for the conveyance system including all welding works inside constructed chambers;
- Revised Construction Method Statement;
- Method Statement for Construction of Septic & Seepage Tanks;
- Test report on concrete compressive strength for the wall of the remaining western retaining wall- (07-day result). Ref: M/1501/115;

3.2. Labor and Equipment

3.2.1. Geo MIS

All Implementing Partners working for the West Bank and Gaza Mission track and record labor (work force) data relative to employment of Palestinian people. The Geo MIS system includes assignment of a job classification to each worker and summation of Job Days for each classification on the project. The following table includes the Geo MIS data recorded and submitted to the Mission relative to the reporting period.

Date	Management (Person day)	Engineers (Person day)	Skilled Labor (Person day)	Unskilled Labor (Person day)	Other (Person day)	Total (Person day)
May 2013	86.88	44.13	0.00	0.00	2.50	133.50
June 2013	125.25	50.88	3.63	0.00	0.00	179.75
July 2013	114.75	44.00	79.25	46.00	16.63	300.63
Aug 2013	93.38	72.63	0.00	22.00	0.00	188.00
Sep 2013	127.13	179.00	72.38	32.13	3.75	414.38
Oct. 2013	124.63	179.13	88.63	39.13	8.13	439.63
Nov. 2013	101.25	172.63	49.13	36.50	0.00	359.50
Dec. 2013	109.00	164.38	139.25	67.13	0.00	479.75
Jan. 2014	105.13	174.25	205.00	166.88	7.88	659.13
Feb. 2014	102.63	190.00	193.00	211.63	42.13	739.38
March 2014	114.00	207.25	129.50	122.38	21.13	594.25
April 2014	115.50	233.13	78.38	79.13	0.00	506.13
May 2014	105.63	173.38	213.88	112.88	0.00	605.75
June 2014	107.00	150.38	151.13	117.50	6.00	532.00
July 2014	81.50	65.00	16.75	114.88	0.50	278.63
August 2014	112.25	100.50	131.25	215.63	4.13	563.75
Sept. 2014	107.13	78.63	207.88	94.75	4.13	492.50
Oct. 2014	84.00	61.50	190.13	184.75	0.00	520.38
Nov. 2014	110.75	59.75	195.38	184.75	11.375	562.00
Dec. 2014	127.63	50.88	195.38	244.13	5.38	623.38
Jan. 2015	95.25	95.13	148.75	69.50	6.88	415.50

The total cumulative generated Man-Days to date are 9587.92

Female employment generated to date is Zero.



3.2.2. Project Beneficiaries

Total number of Beneficiaries is 81,951:

- Number of Male Beneficiaries 41,623 Male = 50.79%
- Number of Female Beneficiaries 40,328 Female = 49.21%
- Male Beneficiaries to Age 17 19,663 47.24%
- Female Beneficiaries to Age 17 19,051 47.24%
- Male Beneficiaries 18 to 25 6,568 15.78%
- Female Beneficiaries 18 to 25 6,364 15.78%
- Male Beneficiaries 26 and older 15,392 36.98%
- Female Beneficiaries 26 and older 14,913 36.98%

3.2.3. Equipment

For this reporting period, CDM Smith completed the remaining part of the western retaining wall. Housekeeping works continued at the well site. Preparation works prior to receiving epoxy coats for the internal walls of the balance tank are ongoing. Preparation works to start water filling of the western compartment in preparation for water tightness are started. For Azzababdeh Chamber the mechanical installation of valves and fittings are completed except for the electromagnetic flow meter. Equipment List is attached in the Appendix.

3.3. Meetings and Correspondence with USAID

- No CO meetings were held during this reporting period.

3.4. Meetings and Correspondence with CMC and Subcontractors

- Monday 01/05/2015 – Coordination meeting BV in presence of ABC.
- Tuesday- 01/06/2015 – Kick off meeting with ABC at Ramallah office to discuss the approved VO related to the redesign package.
- Monday – 01/12/2015 – Technical coordination meeting with ABC.
- Tuesday – 01/13/2015 – Technical coordination meeting with CDM Smith – USA office and ABC via conference call.
- Tuesday – 01/13/2015 – Technical coordination meeting with BV in presence of ABC.
- Wednesday – 01/14/2015 – Technical coordination meeting with CDM Smith – USA office and BV via conference call.
- Thursday – 01/15/2015 – Technical coordination meeting with ABC.
- Thursday – 01/15/2015 – Biweekly meeting # 27 with BV was held at Engineer's Primary Field Office.
- Tuesday – 01/20/2015 – Technical coordination meeting #44 with BV in presence of ABC to discuss safety issues related to Qabatiya Project.
- Thursday – 01/29/2015 – Biweekly meeting # 28 with BV was held at Engineer's Primary Field Office.



3.5. Procurement/Subcontract Actions

- The subcontract that has been awarded to Site Group Company for the development of Qabatiya Well has kept open until the delivery of the Well Pump where Site Group shall be responsible for the installation of the Well Pump upon delivery of the pump by the pump supplier. The second subcontract to Arab Brothers Contracting Co. for the installation of the conveyance system and construct all civil, mechanical and electrical works related to Qabatiya Well Site has been amended to include the VO's received from USAID.
- A Purchase Order has been issued to Future Iron Pipes (FIP) to supply the 250mm steel pipes lined with concrete and coated with polyethylene to supply 3622 linear meters of pipes for the conveyance system.
- A subcontract has been awarded to MOREX 71 LTD. – Institute for Non-Destructive Testing to do all the required Radiographic testing for this project.
- Purchase Orders will be issued for the pumping system and major electrical equipment after finalizing the required submittals and getting the approvals.

3.6. Quality Control

The Quality Control Manager prepared updated monthly submittal register log and Quality Control Plan. He also worked with Subcontractors to review and prepare subcontractors' QC plans. Request for Information log is also prepared. Please see the attached updated logs.

During the reporting period the CDM Smith's Quality Control Manager:

1. Assured that the delivered concrete to Qabatiya Site for the remaining part of the western retaining wall is in full compliance with the approved concrete mix design;
2. Assure that all welding works are performed by qualified welder and all joints are visually inspected by approved CWI.

3.7. Safety

Considering all activities that took place during this report period, the task order has not experienced any serious safety issues. CDM Smith as well as USAID and B&V objective is to implement a Health and Safety Program that will reduce the number of injuries, exposures, and illnesses to an absolute minimum. Our mutual goal is ZERO accidents, exposures, and injuries.

CDM Smith with Subcontractor ABC have reviewed the safety plan at Qabatiya well site according to the modification No.1 approved by USAID in December 24, 2014.

Despite of Qabatiya well site is a restricted area it has various construction activities such as excavation for buildings and implementation of electrical and mechanical utilities, therefore under this challenging condition CDM Smith and subcontractor have organized the site to comply with safety procedure and create safely work environment . Wooden scaffoldings were replaced by steel one for balancing tank finishing works, more signs were erected in the site, and more labors for housekeeping will be working on daily bases.

Safety coordination meeting has been conducted at CMC Primary Field Office January 20, 2015 followed up by jointly (CMC and CDM Smith) site visit; the site conditions were satisfying and acceptable.



CDM Smith's safety Engineer conducted Toolbox on January 24, 2015 explaining to the attendees the work plan in confined space (Balancing Tank) and the procedure of entry, exit, emergency cases, evacuation procedure, and the importance of using the safety tools during the works.

CDM Smith's safety engineer explained to the labors the importance of using proper tools to achieve the activities.

CDM Smith's safety engineer has inspected the safety tools and equipment that required for works inside the balancing tank and made sure that the labors and the supervisor are using these tools correctly.

CDM Smith's safety Engineer conducted Toolbox on January 31, 2015 reviewing to the attendees the work plan in confined space (Balancing Tank) and the procedure of entry, exit, emergency cases, evacuation procedure, and the importance of using the safety tools during the works.

Lesson Learned?

The prospect of getting into an accident is something no one likes to think about. From time to time again we hear our managers, supervisors or co-workers telling us to be careful, work safely and use personal protective equipment. Yet, do we really listen? We hear the words, but do we really believe we'll be the one who will have an accident?

There are those who take the safety message at work seriously, and those who do not. Safe work procedures have a purpose. Experience tells us that if we do things right, we'll complete our work correctly and safely. When personal protective equipment (PPE) is provided, this is also for good reason. PPE prevents or minimizes injury or illness to the user.

Sometimes accidents happen when you least expect them. The following provides this, along with a reminder that sometimes they do happen to us....

Lesson No 1:

Scaffolding, also called staging: is a temporary structure used to support people and material in the construction or repair of buildings and other structures. There are many kinds of prefabricated, modular system of metal pipes or tubes, although it can be custom made from other materials such as wood.

The scaffolding made of wood often brought some troubles. It's not solid enough, or its quality will be affected easily by bad weather. With gradual growth of economy and technology, the steel scaffolding is becoming more popular. While there are still some simple scaffolding made of wood. As a matter of fact, steel scaffolding has more advantages.

It's clear that steel scaffolding has longer life than wooden scaffolding. It's because that steel contains some features that wood doesn't have. Its better bearing capacity will help last its life time.

By contrast, the life of wooden scaffolding will be shortened by various reasons, like the water, high temperature or insect.

CDM Smith and Subcontractor in the beginning of January month worked on changed all using wooden scaffolding with steel scaffolding as it's much safer for worker.



Lesson learned?

Use of steel scaffolding = much safer for worker

Lesson No 2: CDM Smith and Subcontractor reviewed the safety plan, tools, and massers for Qabatiya well project since the project will be extended and more utilities will be constructed. They increased the housekeeping crew and provide more signs inside the site, moreover comfortable stair to balance tank roof slab has been constructed.

Lesson learned?

TIDY SITE = SAFE SITE

Lack of adherence with safety tool a/o equipment + Lack of housekeeping = Painful injuries.

Despite that conveyance system has been almost completed and the works will be restricted at Qabatiya well site more safety awareness by supporting of subcontractor will be kept during of construction of the buildings activities (excavations, concrete casting, and confined space entry inside balancing tank). The followings will be checked on Daily basis:

- Housekeeping to be maintained all time.
- Toolbox meeting and training for new labors.
- Periodic check of safety tools and equipment.

CDM Smith safety Engineer as part of his job is always trying to make sure that the jobsite has the basic first-aid kit and that a procedure is in place to replace expended, used or outdated items. First-aid kits are available in all CDM Smith and CMC offices as well as project vehicles.

3.8. Public Relations

CDM Smith continued the coordination and public relations activities during the reporting period. Coordination with both Azzababdeh and Qabatiya Municipalities is always on the highest level to resolve any issue and / or obstacle that might be encountered during the construction activities. Both Municipalities always show full cooperation and commitment to ease all obstacles and other project related issues (if any).

3.9. Project Permitting & Security

The location of the project in the north of the West Bank with parts of the project located in area C requires continuous coordination with civil administration to facilitate the mobility of CDM Smith and subcontractors' personnel and vehicles to the project site if checkpoints exist or if any activity needs coordination.

CDM Smith Logistics and Security Manager has regular coordination meetings with the coordination office in Beit El. CDM Smith Logistics and Security Manager is always ready to coordinate with the required authority, or with the civil administration to facilitate any difficulty that may face the project construction.



4. SCHEDULE

4.1. Progress vs. Planned

CDM Smith submitted a revised CPM Schedule reflecting the approved modification No. 1 signed by USAID on Dec. 24th 2014.

Performance % Complete =	17.6%
Schedule % Complete=	17.6%

5. OUTLOOK FOR NEXT REPORTING PERIOD

The following subsections provide information on anticipated activities through the next reporting period.

5.1. Planned Submission of Next Invoices

CDM Smith is planning to prepare Invoice No. 8 that is expected to be issued to CMC around middle of February 2015. This invoice will cover the reinforced concrete of the completed western part of the retaining wall, completed mechanical works inside nine chambers along the conveyance system, completed mechanical as well as structural works needed for the construction of AAUJ and Azzababdeh flow monitoring chambers and any other activity completed to the day of invoicing

5.2. Planned Activities Anticipated During February 2015

The Following activities are anticipated to be submitted, constructed or implemented during February 2015:

- Start preparations; excavation and construction of the buildings other than the balance tank and the retaining walls.
- Continue submitting all required shop-drawings, submittals and requests to allow proceeding with the works at the well site.
- Installation of electromagnetic flow meters inside AAUJ and Azzababdeh Flow Monitoring Chambers.
- Continue surface preparations for the completed walls of the balancing tank (eastern compartment) and conducting the water tightness test for the balancing tank (western compartment).
- Conducting the pressure test for the 10" pipeline.
- Starting installation of the metal works for the balancing tank.
- Start the construction submittals needed for the approved modification No. 1.

5.3. Planned Staff Changes

The CDM Smith teams will actively searching for additional staff to serve in any area required to complete the project with the best quality and safe procedure. Any required position will be filled as needed and as the overall workload increases. Various technical specialists will also work from other CDM Smith offices and/or work TDY in the West Bank as needed.

5.4. Planned Meetings and Correspondence with USAID

Monthly CO meeting is scheduled on February 19, 2015.



5.5. Planned Meetings and Correspondence with CMC

Coordination meetings are scheduled for each Task Order every two weeks. Task Order 00006 meetings are expected every two weeks in each reporting period

5.6. Planned Meetings and Correspondence with Others

CDM Smith stands ready to meet with other stakeholders as needed.

6. ISSUES AND CONSTRAINTS

CDM Smith works to actively communicate potential problems to the CMC and USAID. The following subsections cover current and anticipated issues and constraints.

6.1. Administration

No Administrative Constraints were faced during the reporting period. The cooperation and the understanding of the project situation between the Contractor and the CMC allowed resolving all minor problems appeared during the reporting period.

6.2. Qabatiya Conveyance System :

The pipes for Qabatiya Conveyance system were delivered to the site on 22nd and 24th December 2013. The work in the pipeline installations as part of the conveyance system started immediately after the contractor completed all requirements related to the pipeline installations. The work at the pipeline installations that started early January 2014 was finished on 22 March 2014.

Installation of precast chambers is completed on the conveyance system. All required welding works and mechanical valves and fitting inside the chambers are completed except for the installation of electromagnetic flow meters inside both AAUJ and Azzababdeh flow monitoring chambers.

Civil construction works for both AAUJ and Azzababdeh flow monitoring chambers are completed.

6.3 Qabatiya Well Site

- The preparation activities for the coating in/outside of the balancing tank are ongoing.

6.4 Others

No other issues at this time.



7 APPENDIX

- Photos
- Meeting Minutes
- Submittals summary table
- Invoices log
- RFI Log
- Geo MIS logs
- Inspection Request Log
- Variation Order Log
- Equipment List
- Revised CPM Schedule

END OF REPORT

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Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Task Order 00006 Photos



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Safety concrete & steel barriers around excavated area of western RW's footing, 04 January 2015



Compacting basecourse fill at Al-Zababdeh connection chamber, 05 January 2015



Flushing of the 10" installed steel pipeline through the washout at station 1+630, 05 January 2015



Installation of 6" flow control valve inside Al-Zababdeh connection chamber, 06 January 2015



Formwork for the remaining part of the western retaining wall at Qabatiya Pump Station, 12 January 2015



Installed PN 40 gate valves and flow meter inside Al-Zababdeh connection chamber, 13 January 2015



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Formwork for the remaining part of the western retaining wall at Qabatiya Pump Station, 13 January 2015



Steel reinforcement of the remaining part of the western retaining wall at Qabatiya Pump Station, 14 January 2015



Bi-weekly progress meeting between CMC and CDM Smith at CMC's field office, 15 January 2015



Filling joints with approved materials inside the western compartment of the balance tank, 17 January 2015



Checking alignment and verticality of closed shuttering of the western retaining wall before casting concrete, 18 January 2015



Supervising of loading and mixing process at Me'mar concrete plant as part of CDM Smith QC procedure, 18 January 2015



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Casting of C-35 concrete for the western retaining wall , 18 January 2015



Curing of the western retaining wall by water sprinkling, 19 January 2015



Construction of safety stairs leading to the roof slab of the balance tank, as part of CDM Smith's periodic maintenance of safety measures, 20 January 2015



De-shuttering the formwork of the western retaining wall at Qabatiya Pump Station, 20 January 2015



Concrete surface cleaning inside the eastern compartment of the balance tank, 21 January 2015



Curing of the western retaining wall by installation of wet burlap mats , 22 January 2015



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Senior staff of USAID, B&V and WBWD visited Qabatiya Pump Station in presence of CDM Smith staff , 22 January 2015



CWI inspecting welded joints inside Al-Zababdeh connection chamber, 24 January 2015



Safety toolbox meeting regarding confined space safety procedure and general safety issues , 24 January 2015



Concrete surface repair inside the eastern compartment of the balance tank, 25 January 2015



Cleaning and smoothing of concrete surfaces inside the eastern compartment of the balance tank, 26 January 2015



Concrete surface repair inside the eastern compartment of the balance tank , 27 January 2015



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Engineer inspecting the mechanical parts installed inside AAUJ chamber in presence of CDM Smith QC Manager , 28 January 2015



Oxygen cylinder, fire extinguisher and oxygen detector used inside the balance tank as part of the confined space plan, 28 January 2015



Overview from the elevated slab of the balance tank, 28 January 2015



Surface repair and primary finishing inside the eastern compartment of the Balance Tank, 28 January 2015



Filling joints with approved sealants inside the eastern compartment of the balance tank, 31 January 2015



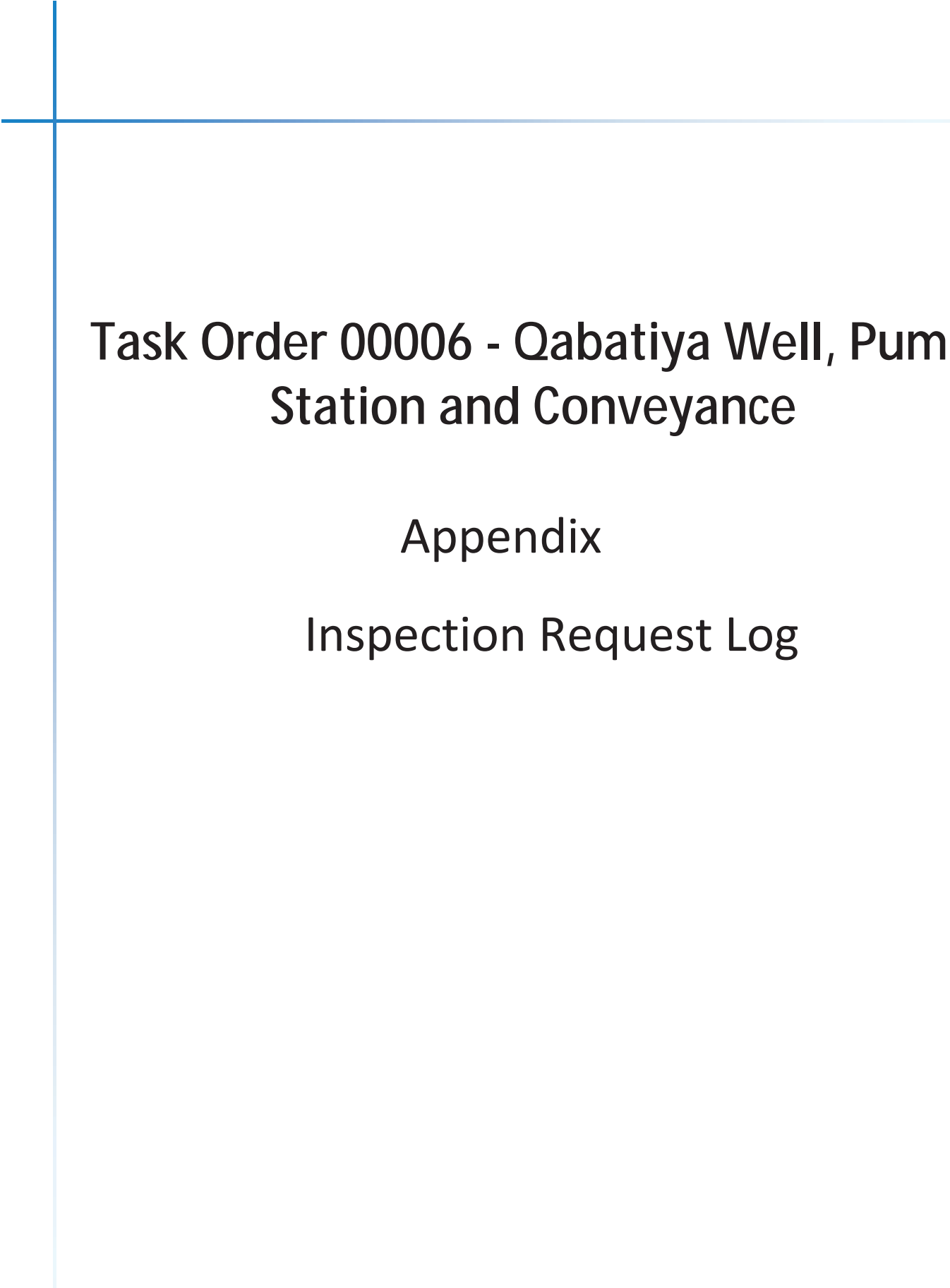
Safety toolbox meeting regarding confined space safety procedure and general safety issues , 31 January 2015



USAID | WEST BANK/GAZA



Bi-weekly meeting held on Jan 29th

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Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Meeting Minutes

Meeting Minutes
Qabatiya Well Pump Station TO 13-00006
Bi-Weekly Progress Meeting #27

Date:

Thursday January 15, 2015

Timing:

12:00 PM – 01:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:**PWA/WBWD**

--

USAID

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Black and Veatch

Mr. Abe Siag
Mr. Talal Atallah
Mr. Murad Daoud
Mr. Mouhamad Bushnaq
Mr. Abdallah Odeh
Mr. Emad Dweikat
Ms. Iman Jaradat

CDM Smith and Subcontractors

Mr. Ghassan Thaher
Mr. Mousa Anbar
Mr. Abed AL Rahman Baker
Mr. Yosef Alqam

Notes Prepared by:

Talal Atallah, Black & Veatch

Purpose:

Bi-weekly Progress Meeting for Qabatiya Well Pump Station and Conveyance System Project– TO 13-00006; aimed to review progress of work, discuss project issues and provide solutions where required.

We believe that these minutes accurately reflect what transpired at the meeting. Unless we are notified in writing to the contrary by 2 working days, the minutes will stand as written.

Abbreviation List:

ASAP: As Soon As Possible, **BV:** Black and Veatch, **DCL:** District Coordination Liaison, **INFO:** Information, **CDM:** Camp Dresser & McKee, **PWA:** Palestinian Water Authority, **WBWD:** West Bank Water Department, **USAID:** United States Agency for International Development, **VOR:** Variation Order Request, **NCR:** Non Compliance Report, **PM:** Progress Meeting, **CM:** Coordination Meeting, **MOM:** Minutes of Meeting, **QBW:** Qabatiya Well, **CO:** Contracting Officer, **VO:** Variation Order, **AAUJ:** Arab American University Jenin. **DJR:** Daily Joint Report.

1. Project Key Data:

- Notice of Award April 02, 2013
- Contract Signing April 02, 2013
- Notice to Proceed May 14, 2013
- Project Duration 550 Days
- Modified Project Duration 996 Days
- Project Planned Completion Date November 14, 2014
- Modified Completion Date February 03, 2016
- Project Elapsed Time 612 Days (61.44%)
- Project Planned Overall % of Completion NA
- Project Actual Overall % of Completion 18.24 %
- Total Float (Variance Duration) NA

2. Documents distributed at this meeting:

- Copy of Progress Meeting Agenda #27.
- Copy of Project Key Data.

3. Documents Attached:

- Progress Meeting Agenda #27.
- Attendees List.

4. Next Meeting will be rescheduled for a later date.

Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM #01	<u>Safety.</u> 1.1 General Site Safety. BV stated that CDM Smith has enhanced the safety at site. Furthermore, BV advised CDM Smith to conduct safety coordination meeting next week, in order to have common safety understanding between all the project parties.	Info CDM Smith	Next Week
2	PM #01	<u>Quality.</u> 2.1 Quality of Work. BV stated that a separate quality coordination meeting will be conducted next week.	Info	Next Week
3	PM #01	<u>Progress of Work.</u> 3.1 Schedule Progress. BV stated that the overall progress of work at site is very slow. CDM Smith in response stated that they are re-organizing their staff and the subcontractors to accommodate the new modifications to the project. Moreover, CDM Smith stated that they are currently preparing the shop drawing, material submittals and revised schedule for the revised design package; and will be submitted at the end of this month.	Info Info CDM Smith	January 29, 2015
		3.2 Two Weeks Look Ahead. CDM Smith stated that their plan for the upcoming two weeks will be as follows: <ul style="list-style-type: none"> - Finalize the mechanical works for the conveyance system. - Working on submitted list of submittals. - Finalize the pending VOR's. 	Info	
4	PM #26	<u>Submittals.</u> 4.1 Submittals. BV reminded CDM Smith that they shall submit the following submittals: <ul style="list-style-type: none"> - Revised CPM. - Revised Method Statement. - Revised Quality Plan & Safety Plan. - Revised organization chart as part of revised Quality Plan. - Materials Submittals. - Final layout for the coordinates of site. CDM Smith stated that they are working to submit the above.	CDM Smith	ASAP



5	PM #26	<u>Financial.</u> BV reminded CDM Smith to finalize all pending VOR's ASAP.	CDM Smith	ASAP
6	PM #01	<u>Reports.</u> 6.1 Monthly Report. No issues were reported under this item.	Info	
	PM #01	6.2 Daily Joint Report. No issues were reported under this item.	Info	

End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INP II
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #27**

Date:

Thursday, January 15, 2015

Timing:

12:00 PM – 01:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

- PWA/WBWD
- USAID
- Black and Veatch
- CDM Smith and Sub-Contractors.

Agenda:**1. Safety & Environment.**

- 1.1 General Site Safety.

2. Quality.**3. Progress of Work.**

- 3.1 Progress Update Summary by CDM Smith.
- 3.2 Two Weeks Look Ahead.
- 3.3 Conveyance System.

4. Submittals.

- 4.1 Revised CPM.
- 4.2 Coordination Shop drawings.
- 4.3 Revised Method of Statement.

5. Financial.**6. Reports.**

- 6.1. Daily Joint Reports.
- 6.2. Monthly Reports.

7. Others.

Subject: Bi-Weekly Progress Meeting #27 Qabatiya Well Pump Station


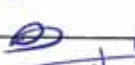




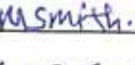
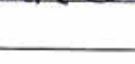



Palestine/Gaza INP II

Venue: Project Primary Office, Alzababdeh, Palestine

Date: January 15, 2015

Time: From 12:00 PM to 01:00 PM

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Ghassan Thaker	PM	CDM Smith	0592-997701	thakerg@cdmsmith.com	
2	Abe M Siag	Sr PM	BV	0568907246		
3	Talal Alallah	PM	BV	0592997706	manziqtabv.com	
4	Iman Jarachel	O.E	BV	0592997707	jarachel@bv.com	
5	Musad Daanul	QA	BV	0598934662	Daanul@bv.com	
6	Abdullahi	EW	BV	0592997709	adlan@bv.com	
7	Emad Dweikat	D.C	BV	0592997711	Dweikat@bv.com	
8	Mohammed J. Bushuy	S.E	BV	0592997713	Bushuy11@bv.com	
9	Abdel Rahman Baker	Safety Eng.	CDM Smith	0592-997700	bakerar@cdmsmith.com	
10	Moussa Anbar	F&A Manager	CDM Smith	0599556610	anbarmd@cdmsmith.com	
11	Yousef Alqum	PM+ABC	ABC	0594088612	yalqum@a-brothers.com	
12						
13						
14						
15						
16						
17						

Meeting Minutes
Qabatiya Well Pump Station TO 13-00006
Bi-Weekly Progress Meeting #28

Date:

Thursday January 29, 2015

Timing:

12:00 PM – 01:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:**PWA/WBWD**

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USAID

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Black and Veatch

Mr. Talal Atallah
Mr. Murad Daoud
Mr. Mouhamad Bushnaq
Mr. Abdallah Odeh
Mr. Emad Dweikat
Ms. Iman Jaradat

CDM Smith and Subcontractors

Mr. Ghassan Thaher
Mr. Abed AL Rahman Baker
Ms. Arab Masri
Mr. Yosef Alqam

Notes Prepared by:

Talal Atallah, Black & Veatch

Purpose:

Bi-weekly Progress Meeting for Qabatiya Well Pump Station and Conveyance System Project– TO 13-00006; aimed to review progress of work, discuss project issues and provide solutions where required.

We believe that these minutes accurately reflect what transpired at the meeting. Unless we are notified in writing to the contrary by 2 working days, the minutes will stand as written.

Abbreviation List:

ASAP: As Soon As Possible, **BV:** Black and Veatch, **DCL:** District Coordination Liaison, **INFO:** Information, **CDM:** Camp Dresser & McKee, **PWA:** Palestinian Water Authority, **WBWD:** West Bank Water Department, **USAID:** United States Agency for International Development, **VOR:** Variation Order Request, **NCR:** Non Compliance Report, **PM:** Progress Meeting, **CM:** Coordination Meeting, **MOM:** Minutes of Meeting, **QBW:** Qabatiya Well, **CO:** Contracting Officer, **VO:** Variation Order, **AAUJ:** Arab American University Jenin. **DJR:** Daily Joint Report.



1. Project Key Data:

• Notice of Award	April 02, 2013
• Contract Signing	April 02, 2013
• Notice to Proceed	May 14, 2013
• Project Duration	550 Days
• Modified Project Duration	996 Days
• Project Planned Completion Date	November 14, 2014
• Modified Completion Date	February 03, 2016
• Project Elapsed Time	626 Days (62.85%)
• Project Planned Overall % of Completion	NA
• Project Actual Overall % of Completion	18.65 %
• Total Float (Variance Duration)	NA

2. Documents distributed at this meeting:

- Copy of Progress Meeting Agenda #28.
- Copy of Project Key Data.

3. Documents Attached:

- Progress Meeting Agenda #28.
- Attendees List.

4. Next Meeting will be rescheduled for a later date.

Items Discussed:

No.	Ref.	Description	Action By	Date
1	PM #01	<u>Safety.</u> 1.1 General Site Safety. BV stated that safety level is satisfactory at this stage.	Info	
2	PM #01	<u>Quality.</u> 2.1 Quality of Work. BV advised CDM Smith to revise the method of statement, however; method of statement shall include sections for safety, risk and environmental.	CDM Smith	All Time
	New	2.2 Trench Reinstatement. BV stated that the 2 nd layer for the trench had a settlement and shall be repaired immediately. Therefore, CDM Smith was requested to submit the repair plan for the settlement of trench accordingly.	CDM Smith	ASAP
3	PM #01	<u>Progress of Work.</u> 3.1 Schedule Progress. BV stated that the overall progress of work at site is still slow. CDM Smith stated that the progress has been limited to the repair of the balance tank walls and the mechanical works of chambers. Moreover, CDM Smith stated that they are planning to submit the pumping unit submittal on February 01, 2015, in parallel they are planning on continuing preparation of shop drawing, material submittals and revised schedule for the revised design package; all will be submitted shortly.	Info Info CDM Smith	Feb. 1, 2015
		3.2 Two Weeks Look Ahead. CDM Smith stated that their plan for the upcoming two weeks will be as following: <ul style="list-style-type: none"> - Continue working on submitted list of submittals. - Finalize the mechanical works for the conveyance system. - Finalize hydrostatic test pressure for 10" steel pipeline. - Continue surface repair works inside the eastern compartment of the balance tank. - Start filling water at the western compartment prior to conducting leakage test. - Start implementing and construction works for the septic and seepage utilities. 	Info	



4	PM #27	<u>Submittals.</u> 4.1 Submittals. BV reminded CDM Smith to submit the following urgently: <ul style="list-style-type: none">- Revised CPM schedule.- Coordination Shop drawings.- Branding Plan.- Revised Method of Statement. CDM Smith stated that they are working to submit the above ASAP.	CDM Smith	ASAP
5	PM #27	<u>Financial.</u> BV and CDM Smith agreed to meet and finalize the VOR issues next week.		Next Week
6	PM #01	<u>Reports.</u> 6.1 Monthly Report. No issues were reported under this item.	Info	
	PM #01	6.2 Daily Joint Report. No issues were reported under this item.	Info	

End of Minutes

**USAID WEST BANK/GAZA
INFRASTRUCTURE NEEDS PROGRAM INP II
TO 13-00006, QABATIYA WELL PROJECT (QBW)
BI-WEEKLY PROGRESS MEETING AGENDA #28**

Date:

Thursday; January 29, 2015

Timing:

12:00 PM – 01:00 PM

Location:

Primary Field Office
Al Zababida, Palestine

Attendees:

- PWA/WBWD
- USAID
- Black and Veatch
- CDM Smith and Sub-Contractors.

Agenda:

- 1. Safety & Environment.**
 - 1.1 General Site Safety.
- 2. Quality.**
 - 2.1 Trench Reinstatement.
- 3. Progress of Work.**
 - 3.1 Progress Update Summary by CDM Smith.
 - 3.2 Two Weeks Look Ahead.
 - 3.3 Hydro Static Test.
- 4. Submittals.**
 - 4.1 Revised CPM.
 - 4.2 Coordination Shop drawings.
 - 4.3 Revised Method of Statement.
 - 4.4 Branding Plan.
- 5. Financial.**
- 6. Reports.**
 - 6.1. Daily Joint Reports.
 - 6.2. Monthly Reports.
- 7. Others.**



Subject: Bi-Weekly Progress Meeting #28 Qabatiya Well Pump Station

Palestine/Gaza INP II

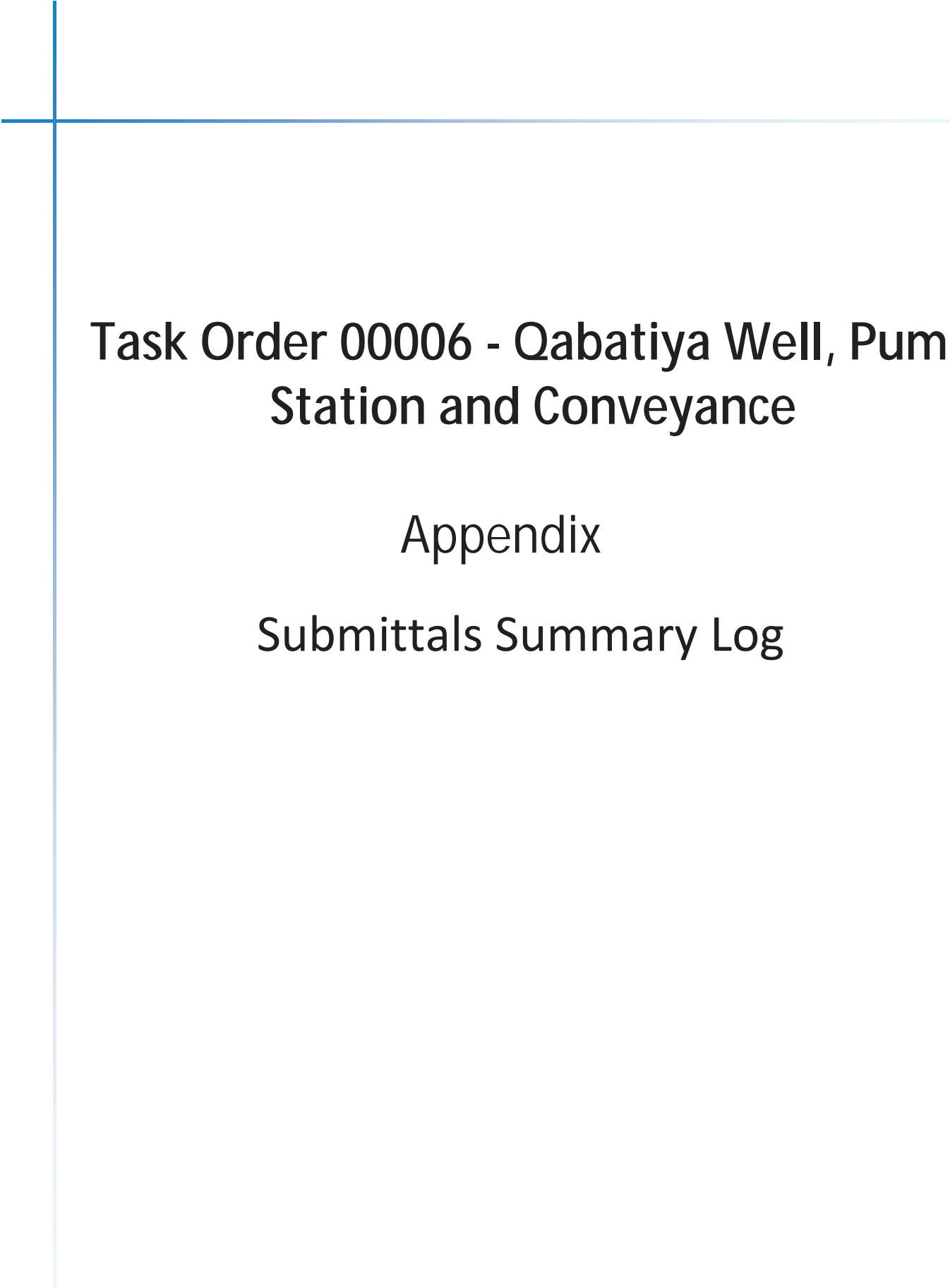
Venue: Project Primary Office, Alzababdeh, Palestine

Date: January 29, 2015

Time: From 12:00 PM to 01:00 PM

Attendees List

No.	Name	Title	Organization	Mobile Number	E-mail	Signature
1	Talal Mahasin	QC-Manager	CDM Smith	0592-997702	mahasin.t@cdmsmith.com	
2	Ghassan Thaker	PM	CDM Smith	0592-997701	thaker.g@cdmsmith.com	
3	Abdel Rahman Bakeer	Safety Eng.	CDM Smith	0592 997700	bakeer.a@cdmsmith.com	
4	Mohammed J. Buduney	S.E	B&V	0592997713	Buduney.H@bv.com	
5	Abdullah Al-Jarrah	Chief Eng.	B & V	0592997709	aljarrah.a@bv.com	
6	Imam Tarek	DE	B&V	0592997707	Tarek.I@bv.com	
7	Emad Dweikat	DC	BV	0592997711	Dweikat.E@bv.com	
8	Talal Atallah	P.M	BV	0592997706	atallah.t@bv.com	
9	Yusef Alyan	P.M	ABC	0597-88612	alyan.y@abc.com	
10	Arab Al Masri	Scheduler & Project Con. Eng.	CDM Smith	0592997703	masri.a@cdmsmith.com	
11						
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Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Submittals Summary Log

USAID/West Bank-Gaza-AID-296-TO-13-00006
Qabatiya Well Pump Station Conveyance Pipeline
Submittal Log

Submittal #	Submittal Name	Date Submitted To Client	Date Returned From Engineer	Status	Review Days
SUB-13-00006-QBW-116B	Structural Shop Drawing for Living Quarters	25/01/2015			
SUB-13-00006-QBW-127B	Living Quarter - Mechanical Shop Drawing	25/01/2015			
SUB-13-00006-QBW-133B	Structural Shop Drawing for Septic Tank	18/01/2015	26/01/2015	C	8
SUB-13-00006-QBW-172B	Living Quarter (lighting, power and security systems)	25/01/2015	27/01/2015	C	2
SUB-13-00006-QBW-402B	Test report on concrete compressive strength for the foundation of the remaining western retaining wall (28day result).Ref:M/1412/409a)	22/01/2015	22/01/2015	A	0
SUB-13-00006-QBW-403A	Monthly QC\QA and Safety Plan updates for December 2014	04/01/2015	05/01/2015	B	1
SUB-13-00006-QBW-404A	Monthly update Environmental Monitoring and Mitigation plan for December 2014	04/01/2015	05/01/2015	A	1
SUB-13-00006-QBW-405A	Up date risk management plan for December 2014	04/01/2015	05/01/2015	B	1
SUB-13-00006-QBW-406A	Updated Submittal Registry (up to 31 December 2014)	05/01/2015	14/01/2015	B	9
SUB-13-00006-QBW-407A	Qabatiya well pump station –Site Layout	18/01/2015	27/01/2015	C	9
SUB-13-00006-QBW-408A	concrete delivery tickets for the remaining part of the western retaining wall".	19/01/2015	20/01/2015	E	1
SUB-13-00006-QBW-409A	Test report on concrete compressive strength for western retaining wall (7day result).Ref:M/1501/115)	26/01/2015	26/01/2015	B	0
SUB-13-00006-QBW-410A	Method Statement for Construction of Septic & Seepage Tanks	28/01/2015	Retracted 29/1/2015		
SUB-13-00006-QBW-411A	Revised Construction Method Statement	28/01/2015	Retracted 29/1/2015		
SUB-13-00006-QBW-412A	Welding Visual Inspection Report for the conveyance system including all welding works inside constructed chambers	29/01/2015			

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Invoices Log

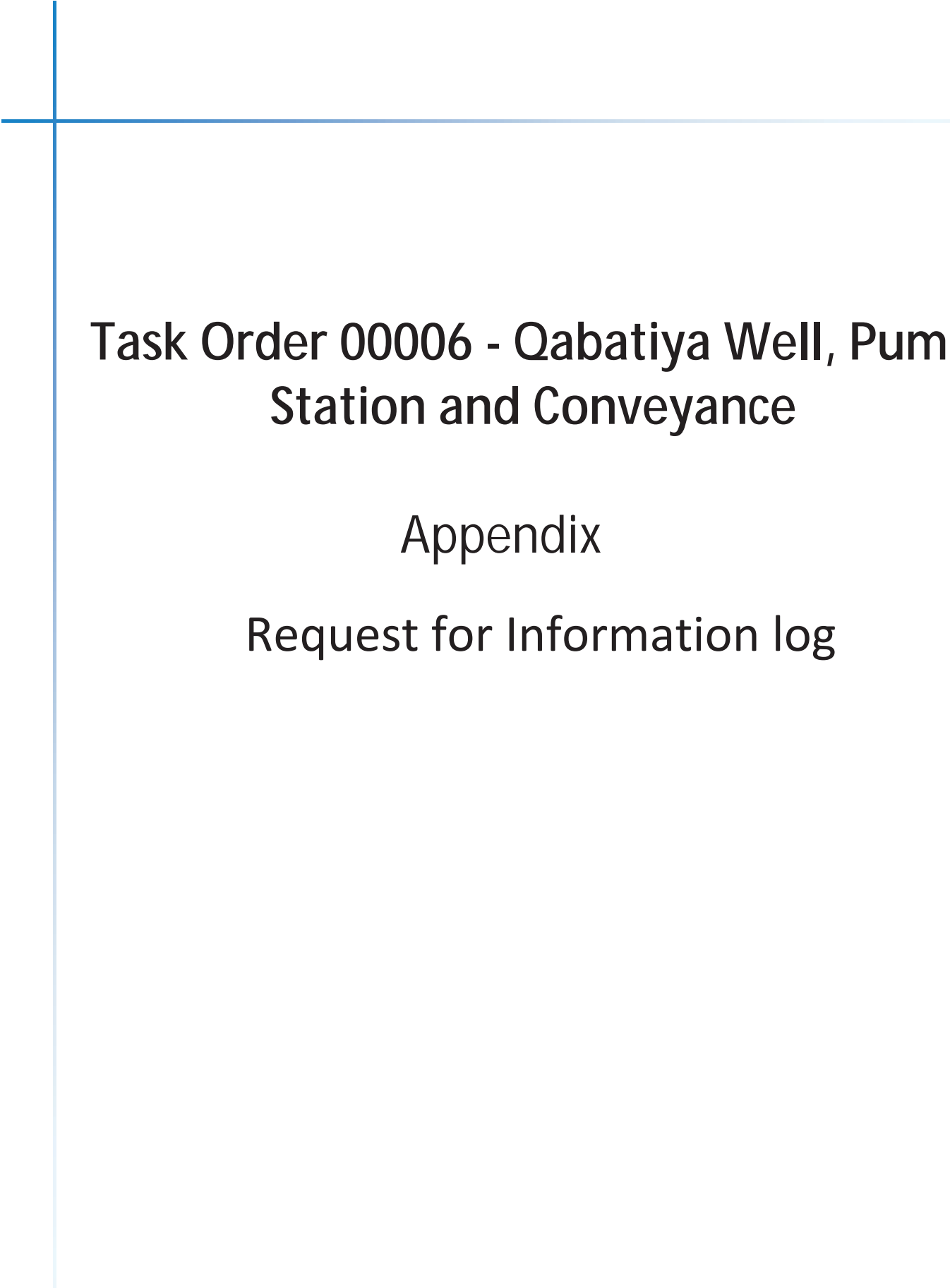
**USAID WESR BANK/GAZA
INFRASTRUCTURE NEEDS Program
INVOICES LOG SHEET**

January 31, 2015

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well Pump Station and Conveyance System

Invoice #	Invoiced amount	Cumulative amount	BOQ amount	New BOQ (BOQ & VOs)	Remaining Amount	Date Received by B&V	Invoice Status	COR
1	\$ 261,286.00	\$ 261,286.00	\$ 6,858,760.00	\$ -	\$ 6,597,474.00	7/18/2013	Paid	Anan Masri
2	\$ 64,720.88	\$ 326,006.88	\$ 6,858,760.00	\$ 6,932,686.51	\$ 6,606,679.63	12/1/2013	Paid	Anan Masri
3	\$ 514,208.49	\$ 840,215.37	\$ 6,858,760.00	\$ 7,167,166.03	\$ 6,326,950.66	1/19/2014	Paid	Anan Masri
4	\$ 248,893.01	\$ 1,089,108.38	\$ 6,858,760.00	\$ 7,167,166.03	\$ 6,078,057.65	3/6/2014	Paid	Anan Masri
5	\$ 139,266.38	\$ 1,228,374.76	\$ 6,858,760.00	\$ 7,167,166.03	\$ 5,938,791.27	6/1/2014	Paid	Anan Masri
6	\$ 121,525.77	\$ 1,349,900.53	\$ 6,858,760.00	\$ 7,167,166.03	\$ 5,817,265.50	8/20/2014	Paid	Anan Masri
7	\$ 118,835.85	\$ 1,468,736.38	\$ 6,858,760.00	\$ 7,045,989.41	\$ 5,577,253.03	29/10/2014	Paid	Anan Masri

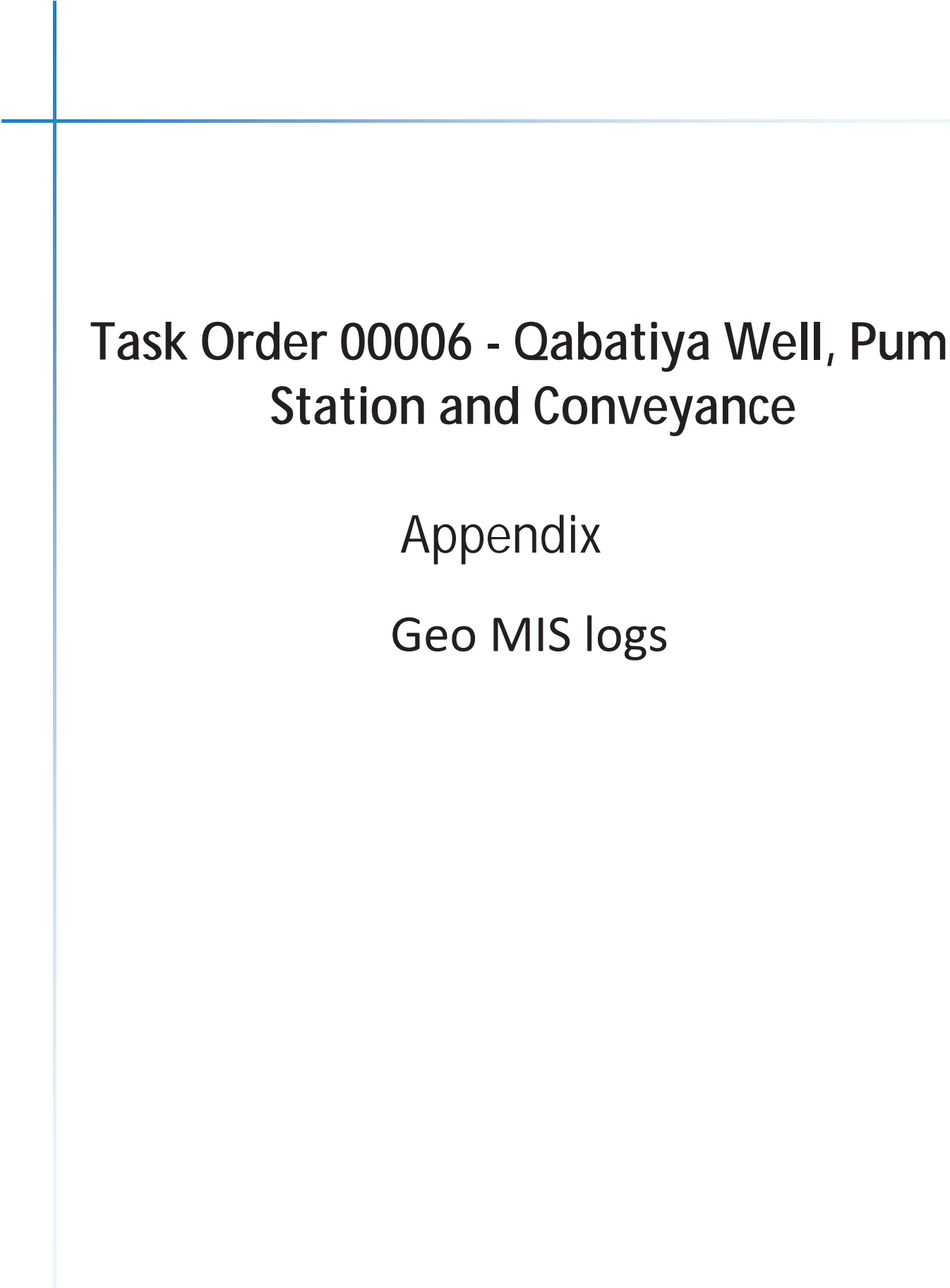


Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Request for Information log

USAID Contract No.: AID-294-I-00-12-00001					
TASK ORDER NO. : AID-294-TO-13-00006					
Qabatiya Well Pump Station And Conveyance System					
Request For Information Log					
RFI No.	Description	submitted Date to CMC	Date Returned from CMC	Days to complet	Review Days
RFI-00006-QBW-074	Chlorination system	11/01/2015			
RFI-00006-QBW-075	Qabatiya production well-As Built Drawing	11/01/2015			
RFI-00006-QBW-076	Roof Beam Detail	27/01/2015			
RFI-00006-QBW-077	Mechanical Valves and fitting for well site	28/01/2015			



Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Geo MIS logs

USAID WEST BANK/ GAZA
INFRASTRUCTURE NEEDS PROGRAM INPII
CONTRACT NO. :AID-294-I-00-12-00001

TASK ORDER NO. : AID-294-TO-13-00006

Qabatiya Well Pump Station and Conveyance System

Temporay Job Days Summary Report

Task Order Name: To-13-00006

PERIOD FROM: 5/14/2013

Sub-project or Activity Name: Qabatiya Well Pump Station and Conveyance System

PERIOD TO: 1/31/2015

CONTRACTOR: CDM Smith

Date		Site Staff Job Days**					Total Job Days	No of Full Time Equivalent (FTE) Jobs in the Month*	Notes of Comments
Month	Year	Management	Engineers	Skilled Labor	Unskilled Labor	Other			
May	2013	86.88	44.13	0.00	0.00	2.50	133.50	6	
June	2013	125.25	50.88	3.63	0.00	0.00	179.75	8	
July	2013	114.75	44.00	79.25	46.00	16.63	300.63	13	
August	2013	93.38	72.63	0.00	22.00	0.00	188.00	8	
September	2013	127.13	179.00	72.38	32.13	3.75	414.38	17	
Total of FY 2013							1216.25	51	
October	2013	124.63	179.13	88.63	39.13	8.13	439.63	18	
November	2013	101.25	172.63	49.13	36.50	0.00	359.50	15	
December	2013	109.00	164.38	139.25	67.13	0.00	479.75	20	
January	2014	105.13	174.25	205.00	166.88	7.88	659.13	28	
February	2014	102.63	190.00	193.00	211.63	42.13	739.38	31	
March	2014	114.00	207.25	129.50	122.38	21.13	594.25	25	
April	2014	115.50	233.13	78.38	79.13	0.00	506.13	21	
May	2014	105.63	173.38	213.88	112.88	0.00	605.75	25	
June	2014	107.00	150.38	151.13	117.50	6.00	532.00	22	
July	2014	81.50	65.00	16.75	114.88	0.50	278.63	12	
August	2014	112.25	100.50	131.25	215.63	4.13	563.75	24	
September	2014	107.13	78.63	207.88	94.75	4.13	492.50	21	
Total of FY 2014							6250.38	263	
October	2014	84.00	61.50	190.13	184.75	0.00	520.38	21.86	
November	2014	110.75	59.75	195.38	184.75	11.38	562.00	23.61	
December	2014	127.63	50.88	195.38	244.13	5.38	623.38	26.19	
January	2015	95.25	95.13	148.75	69.50	6.88	415.50	17.46	

TASK ORDER NO. : AID-294-TO-13-00006
Qabatiya Well Pump Station and Conveyance System

Task Order Name: TO-13-00006
Sub-project or Activity Name: Qabatiya Well Pump Station and Conveyance System
CONTRACTOR:CDM Smith
SUBCONTRACTOR(s): Arab Brothers
Site Group CO. LTD

[illegible]

DATE	Name of Contractor /Subcontractor	Site Staff Job Days **																			Man-days*				
		Worker/Classification (Hours)																							
		Management				Engineers							Skilled labor			Unskilled labor			Other		Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other
		Task Order Manager	Quality Control Manager	Safety & Envl. Manager	Project Manager #1, #2, etc..	Electrical Engineer	Project Engineer	Office Engineer	Quality Control Engineer	Contract Specialist	Site Engineer	Survey Engineer	Mechanical Engineer	Foreman	Skilled Labor*	Equipment Operator	Flagman	Office Boy	Unskilled Labor	Driver					
January 9, 2015	CDM Smith																				0	0	0	0	0
	Arab Brothers																								
	Site Group																								
January 10, 2015	CDM Smith	8	8	8													8				3	0	0	1	0
	Arab Brothers																								
	Site Group																								
January 11, 2015	CDM Smith	8	8	8			8										8				4.375	3	0	1	0
	Arab Brothers				11	3					3		8												
	Site Group																								
January 12, 2015	CDM Smith	8	8	8		8	8										8				5	5	10	2	0
	Arab Brothers				16	8						8	8	80				8							
	Site Group																								
January 13, 2015	CDM Smith	8	8	8			8										8				5	3	11	2	0
	Arab Brothers				16	8							8	88				8							
	Site Group																								
January 14, 2015	CDM Smith	8	8	8		8	8										8				5	5	12	3	1
	Arab Brothers				16	8						8	8	88	8			16	8						
	Site Group																								
January 15, 2015	CDM Smith	8	8	8			8										8				5	4	6.75	3	0
	Arab Brothers				16	8						8	8	54				16							
	Site Group																								
January 16, 2015	CDM Smith																				0	0	0	0	0
	Arab Brothers																								
	Site Group																								
January 17, 2015	CDM Smith	8		8		8	8														3.5	5	11.5	3	0.5
	Arab Brothers				12	4		8					4	8				24	4						
	Site Group																								
January 18, 2015	CDM Smith	8	8	8		8	8										8				5	6	9	3	1
	Arab Brothers				16	8		8				8	8	72				16	8						
	Site Group																								
January 19, 2015	CDM Smith		8	8		8	8										8				4	6	10	4	0
	Arab Brothers				16	8		8				8	8	72	8			24							
	Site Group																								
January 20, 2015	CDM Smith	8		8			8										8				4	4	10	4	0
	Arab Brothers				16	8		8					8	80				24							
	Site Group																								
January 21, 2015	CDM Smith			8			8										8				3	4	11	4	0
	Arab Brothers				16	8		8					8	8	80			24							
	Site Group																								
January 22, 2015	CDM Smith	8	8	8			8										8				3.625	4	2.875	4	0
	Arab Brothers				5	5		8				8	5	18				24							
	Site Group																								
January 23, 2015	CDM Smith																				0	0	0	0	0
	Arab Brothers																								
	Site Group																								
January 24, 2015	CDM Smith	8	8	8		8	8							4			8				3	4	5.5	4	0
	Arab Brothers							8					8	40				24							
	Site Group																								
January 25, 2015	CDM Smith	8	8	8		8	8										8				4.375	5	5	4	0
	Arab Brothers				11	8		8					8	40				24							
	Site Group																								

DATE	Name of Contractor /Subcontractor	Site Staff Job Days **																				Man-days*				
		Worker/Classification (Hours)																								
		Management				Engineers								Skilled labor			Unskilled labor			Other						
		Task Order Manager	Quality Control Manager	Safety & Envt. Manager	Project Manager #1, #2, etc. ..	Electrical Engineer	Project Engineer	Office Engineer	Quality Control Engineer	Contract Specialist	Site Engineer	Survey Engineer	Mechanical Engineer	Foreman	Skilled Labor*	Equipment Operator	Flagman	Office Boy	Unskilled Labor	Driver		Total Management	Total Engineers	Total Skilled	Total Unskilled	Total Other
January 26, 2015	CDM Smith	8	9	8		8	8								40	8		8			5.125	6	6	4	1	
	Arab Brothers			16	8		8				8	8					24	8								
	Site Group																									
January 27, 2015	CDM Smith	9	9	8		8	8										8				3.75	5	6	4	1	
	Arab Brothers			4	8		8					8		40	8			24	8							
	Site Group																									
January 28, 2015	CDM Smith	8	8	8		8	8											8			4.75	6	6	4	1	
	Arab Brothers			14	8		8				8	8		40	8			24	8							
	Site Group																									
January 29, 2015	CDM Smith	8	8	8		8												8			3.75	5	3.25	4	0.75	
	Arab Brothers			6	6		8				6	8		20	6			24	6							
	Site Group																									
January 30, 2015	CDM Smith																				0	0	0	0	0	
	Arab Brothers																									
	Site Group																									
January 31, 2015	CDM Smith	8	8	8		8	8											8			3	4	4.5	2	0	
	Arab Brothers							8					8		32	4			8							
	Site Group																									
Total of Month		169.00	162.00	184.00	247.00	231.00	168.00	104.00	0.00	0.00	3.00	87.00	168.00	34.00	1081.00	75.00	0.00	168.00	388.00	55.00	0.00	95.25	95.13	148.75	69.50	6.88

* Total Man-days = Total Hours / 8

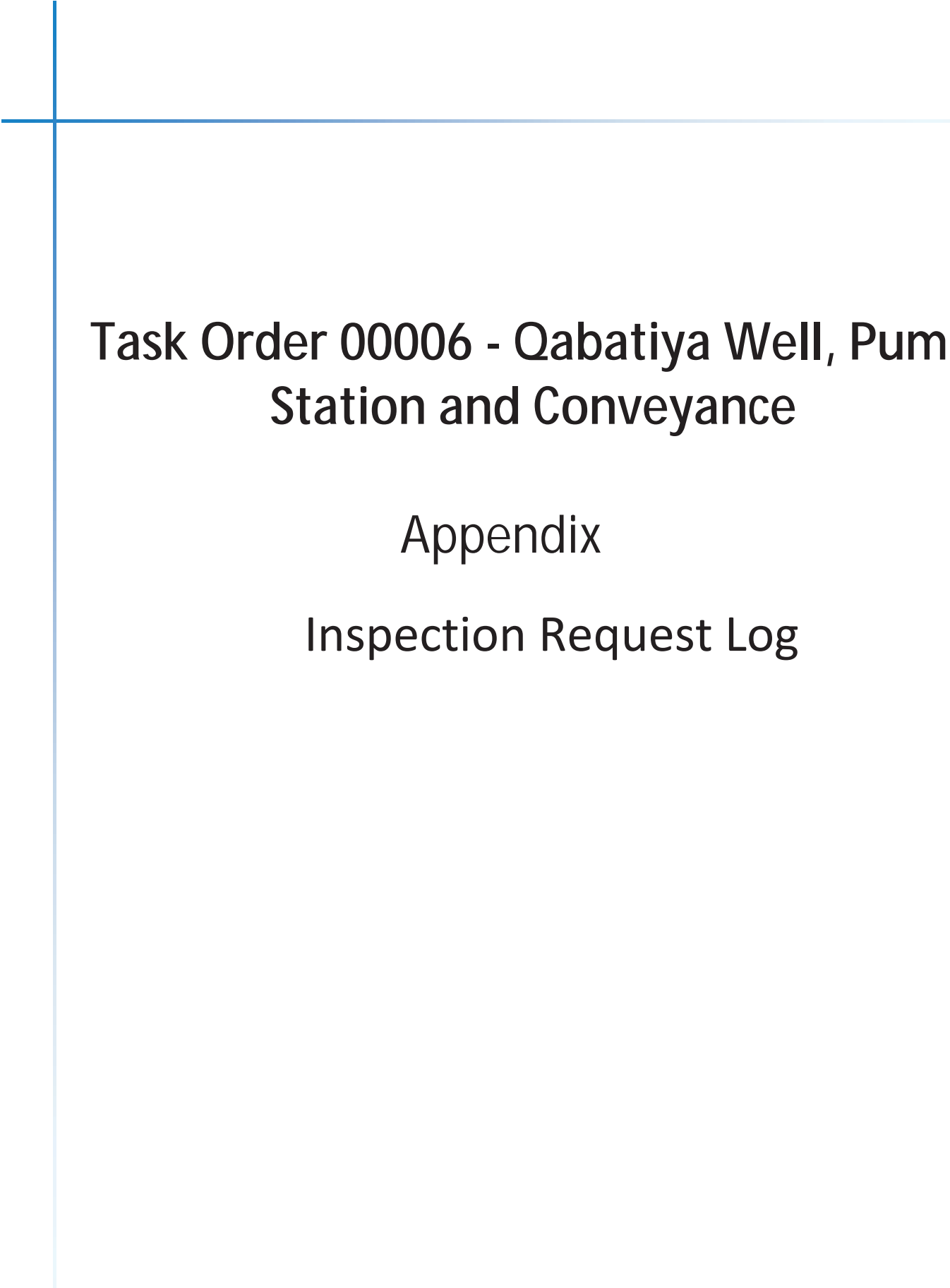
** This data collection sheet is for Palestinian staff only , experts and foreign employee shall not be included.

Electrical Engineer:(Telecomm Department Director,TS&CC Director, Solution Engineer, Senior Software Engineer)

Skilled Labor: Senior Project Technician

Project engineer:(Survey Engineer, Site Engineer)

Skilled Labor : Certified welding Inspector, Welder's assistant.



Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Inspection Request Log

USAID Contract No.: AID-294-I-00-12-00001				
TASK ORDER NO. : AID-294-TO-13-00006				
Qabatiya Well Pump Station And Conveyance System				
Inspection Request				
IR No.	Description	submitted Date to CMC	Inspection Date	Degree
IR-1300006-QBW-236B	Inspection external shuttering for remaining part PF western retaining wall in preparation for steel reinforcement of the same .attached drawing	15/01/2015	15/01/2015	A
IR-1300006-QBW-238A	casting concrete for the retaining wall in the western side type (E&F) of the balance tank, see the attached	18/01/2015	19/01/2015	A
IR-1300006-QBW-239A	Inspection for the monthly environmental check list for December 2014	19/01/2015	19/01/2015	A
IR-1300006-QBW-240A	Inspection for the installation of different mechanical valve and fittings inside the constructed chambers along the conveyance system. Total number of chambers are eleven (11).	28/01/2015	28/01/2015	C
IR-1300006-QBW-241A	Inspection for pressure test for the conveyance system	29/01/2015	29/01/2015	C

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix

Variation Order Log

USAID Contract No.: AID-294-I-00-12-00001			
TASK ORDER NO. : AID-294-TO-13-00006			
Qabatiya Well, Pump Station and Conveyance System			
Varition Order Log			
VO NO.	Description	Submitted Date to CMC	Date Returned from CMC
VO-00006-QBW-001	Time Extention	9/9/2013	9/20/2013
VO-00006-QBW-002	Roackfill layer Under the Balancing tank	10/9/2013	10/30/2013
VO-00006-QBW-003	Construction of Retaining Wall around the Balancing Tank	11/26/2013	12/3/2013
VO-00006-QBW-004	Substitution of Pipe Zone Backfill material (Bedding Materials), Mechanical Changes in the Conveyance Pipeline Connection Chambers, Change the staging Area, Change in the Mobilization and New Definitive Project Quantities	08/24/2014	20/10/2014

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

Appendix Equipment List

[illegible]

A blue L-shaped line is positioned in the top-left corner of the page. It consists of a vertical line segment extending downwards and a horizontal line segment extending to the right, forming a corner bracket.

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance

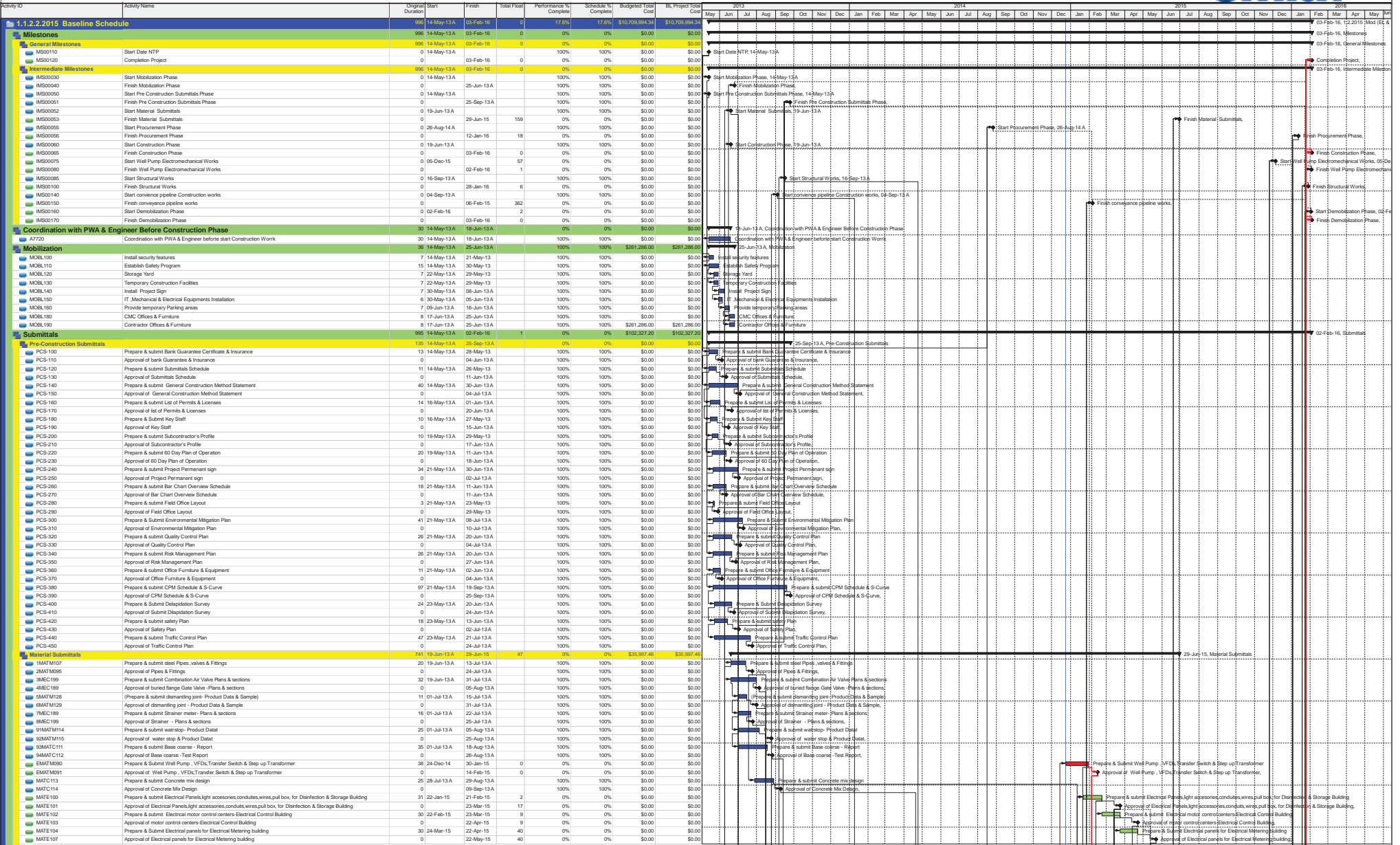
Appendix

Revised CPM Schedule

CPM Construction Schedule

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance System

Revised CPM Construction Schedule

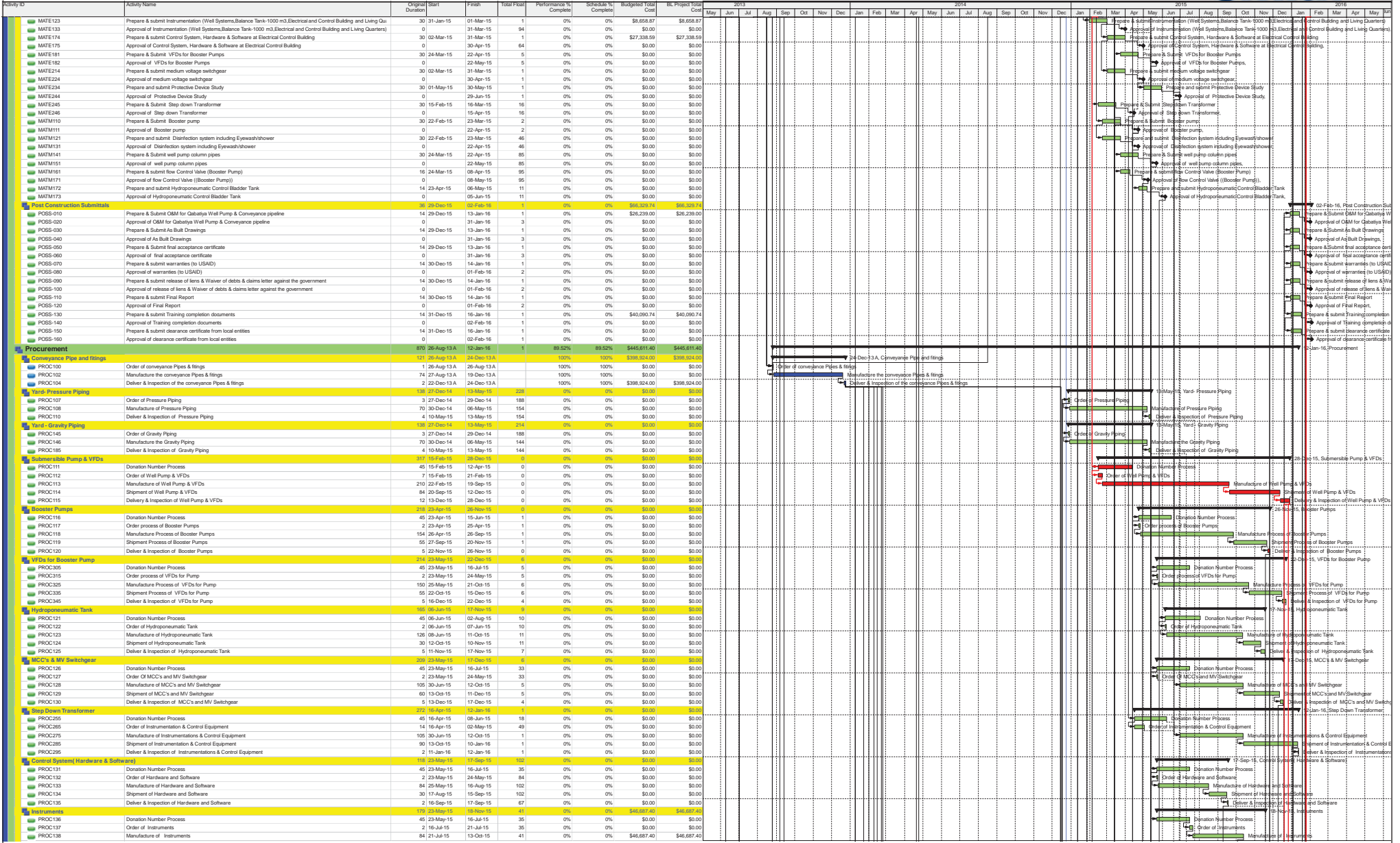


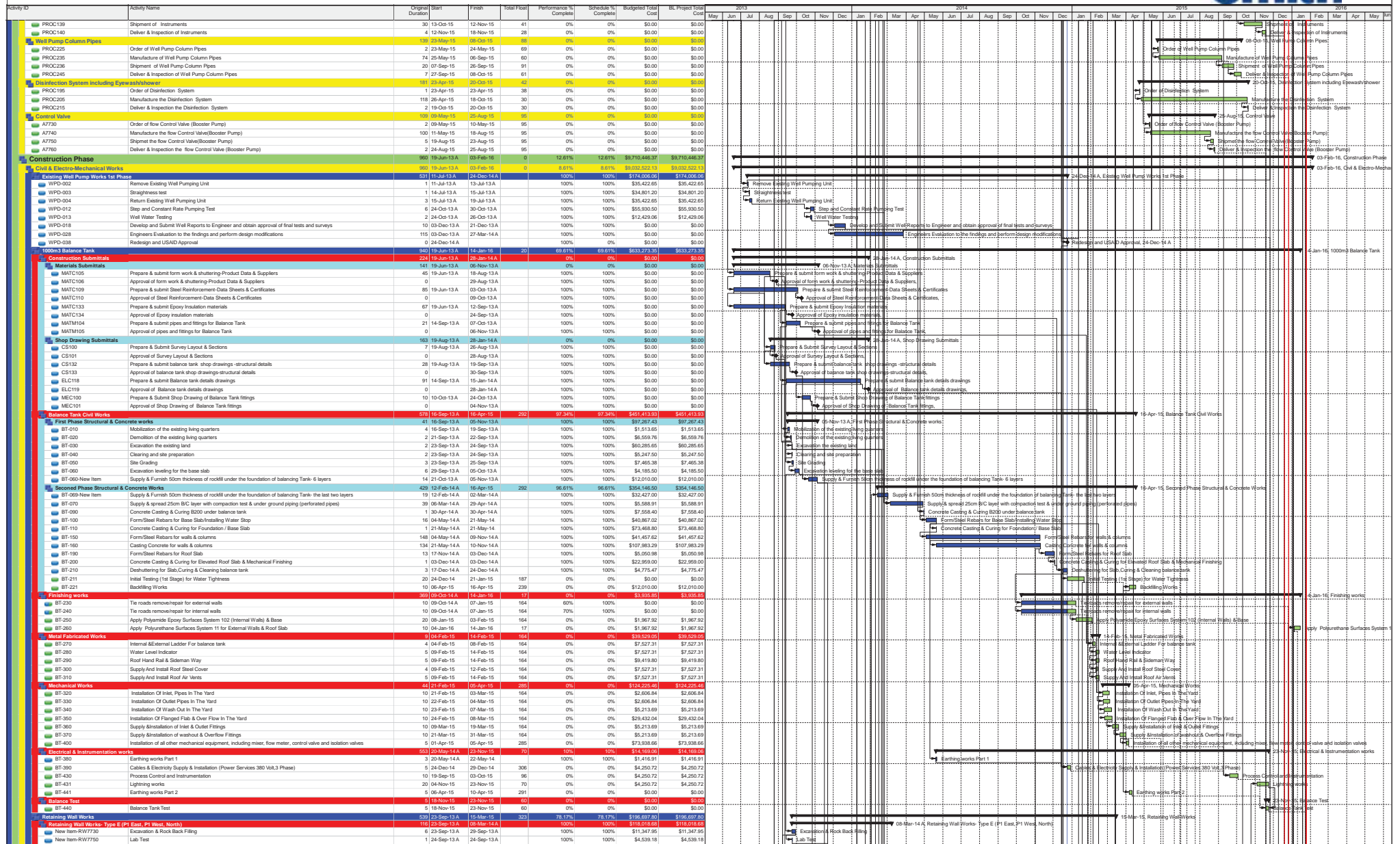
Actual Level of Effort Remaining Work Milestone
Actual Work Critical Remaining Work summary

CPM Construction Schedule

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance System

Revised CPM Construction Schedule

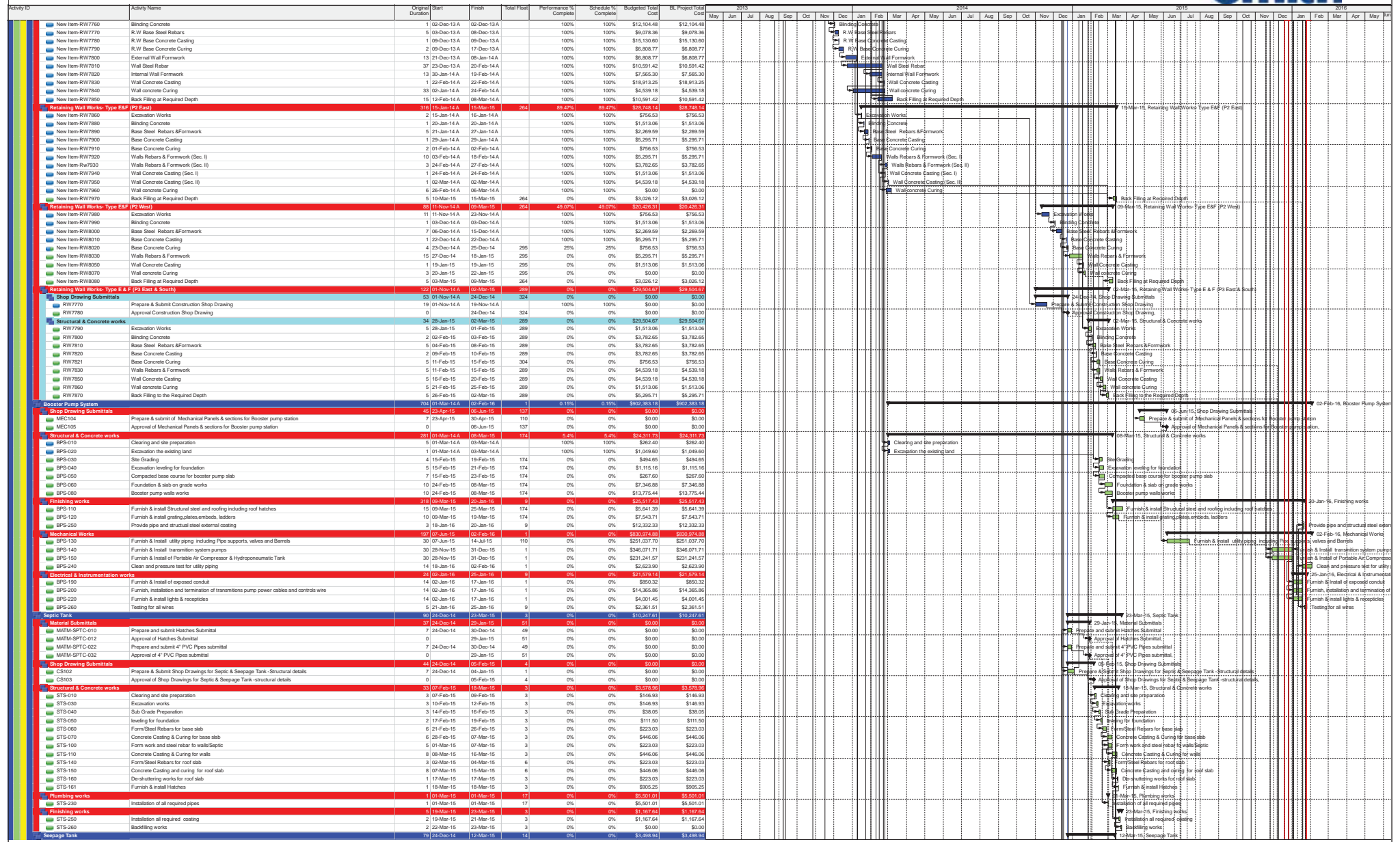




Actual Level of Effort Remaining Work
Actual Work Critical Remaining Work
Milestone summary

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance System

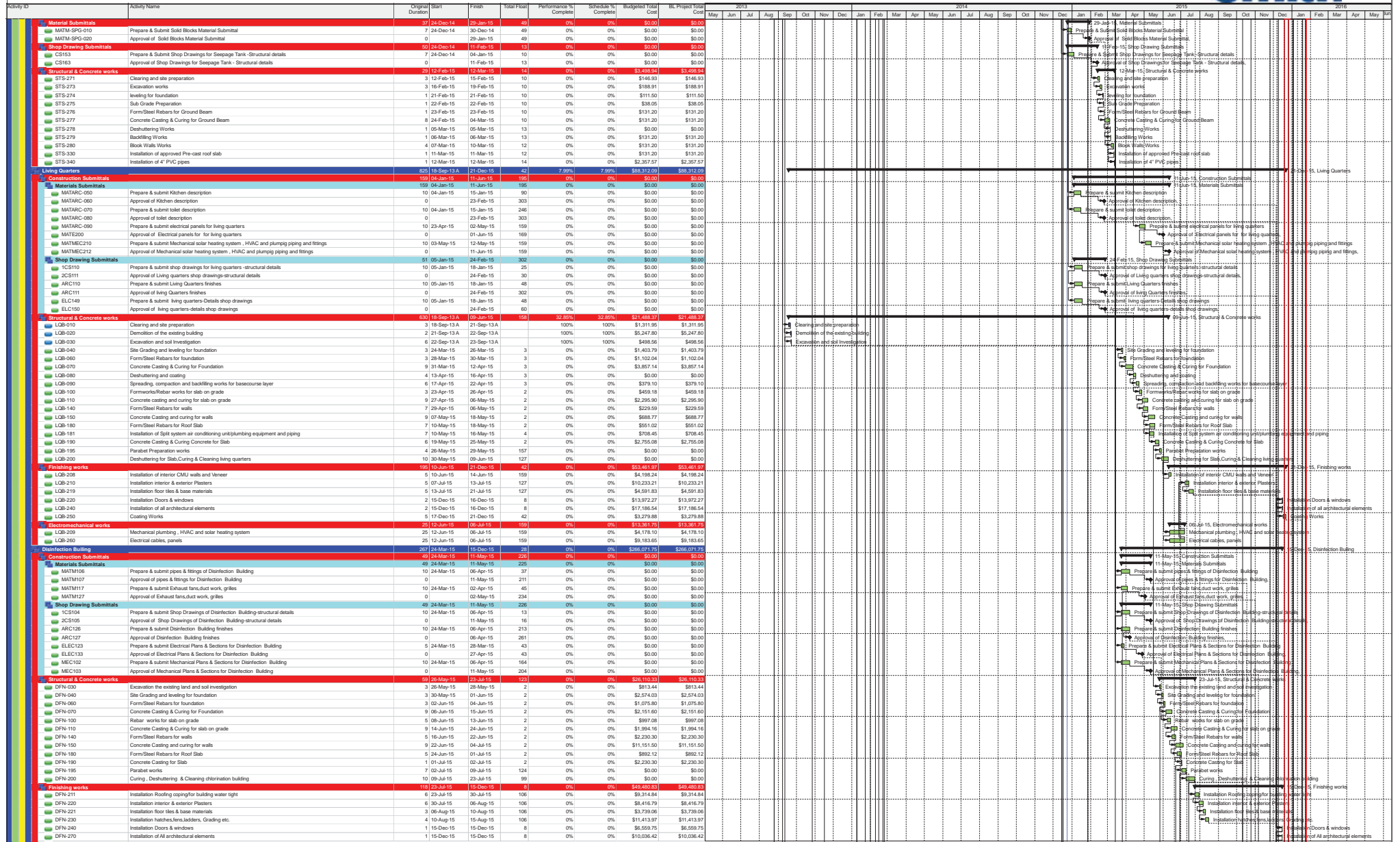
Revised CPM Construction Schedule

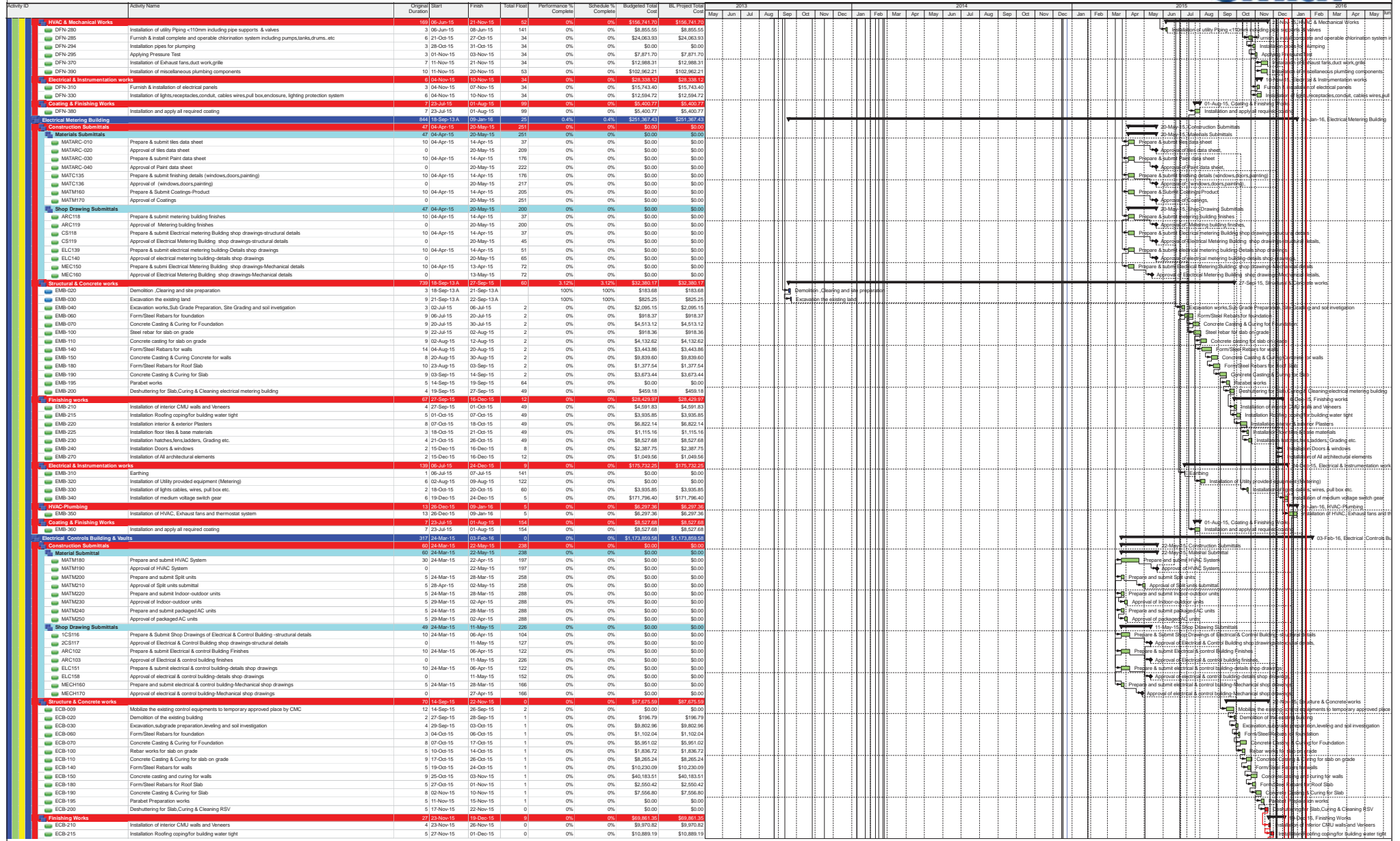


CPM Construction Schedule

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance System

Revised CPM Construction Schedule





Actual Level of Effort Remaining Work Milestone
Actual Work Critical Remaining Work summary

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance System

**CDM
Smith**

[illegible]

 Actual Level of Effort
  Remaining Work
  Milestone

 Actual Work
 Critical Remaining Work
 summary

TASK filter: All Activities

Task Order 00006 - Qabatiya Well, Pump Station and Conveyance System

Revised CPM Construction Schedule

[illegible]